HyperTransport™
Cable/Node Connectors
Applications
HT3 Cable/Node Connectors Target Markets

HPC - Data Center - Embedded

- Servers and Blade Servers
  - CPU-to-Internal HT Subsystem Links
  - CPU-to-External HT Subsystem Links
  - MB-to-MB Links

- Server Clustering
  - HT-Native 3D Torus / Mesh Topologies
  - High-Density Switches

- Embedded Systems
  - CPU-to-HT Subsystem Links
  - Module-to-Module HT Links
  - Chassis-to-Chassis HT Links
Right Angle HT Cable/Node Connector

System-Wide Connectivity Enablement

- 6x 8-Bit / 3x 16-Bit HT Links Fit Full-Height HTX/PCIe Card
- 1 Board Supports 3D Torus / Mesh HT NICs and Switches
Right Angle HT Cable/Node Connector (cont.)

System-Wide Connectivity Enablement (cont.)

- High Density 19” Rack Switches
  - 5.1 Terabit/s Total Switch Bandwidth
    - 16 x 2 x 8 x 2 x 10Gbit/s

- High Density Blade Servers

- Motherboard HT Interconnects
  - MB-to-MB
  - MB-to-HT Appliance
Specific HT Signal Allocation
   • Optimized Signal Integrity and Routing
Vast Modularity Latitude
   • For Systems and Subsystems
HT 3.1 Performance
Compact, High Density Design
   • Easy Product Integration
HyperTransport™
Cable/Node Connectors
Features
Right Angle Stacked HT Cable Female Connector
Right Angle Stacked HT Cable Female Connector (cont.)

- HT 3.1 Clock Rates Support
- High Density 0.635mm Pitch
- 2x Independent 8-Bit HT Links per Connector Shell
- 2x 35-Pin Rows Per 8-Bit Link (140 Pins Total)
- Highly Compact – 30 x 28 x 14mm Including Shell
Right Angle Stacked HT Cable Female Connector (cont.)

- Mates with Universal 8-Bit HT Cable Male Connector
Universal 8-Bit HT Male Connector and Cable (cont.)

**Connector**
- HT3.1 Clock Rates Support
- High Density 0.635mm Pitch
- Mates with Right Angle and Vertical Mount HT Cable Female Connectors

**Cable**
- 32-AWG Twinax Cable
- Copper Shielding
- Smooth Insertion Loss Profile to 16 GHz
- Full HT3 Performance to 2m Length
Universal 8-Bit HT Male Connector and Cable